

REMARKS/ARGUMENTS

1. Rejection of claims 1, 4, 5, 7, 9, 11, 14, 15, and 17 under 35 U.S.C. 103(a):

Claims 1, 4, 5, 7, 9, 11, 14, 15, and 17 are rejected under 35 U.S.C. 103(a) as
being unpatentable over Teo et al. (US 6,985,545) in view of Tsuie et al. (US
5 2004/0223449).

Response:

Independent claims 1 and 11 have been amended to overcome this rejection.
Claim 1 now recites the step of “temporarily stopping processing the primary digital
10 signal according to the second data rate when the information in the primary digital
signal meets the first predetermined mode, or temporarily stopping processing the
primary digital signal according to the first data rate when the information in the
primary digital signal meets the second predetermined mode” and the limitation of
“wherein the basic data rate is an integer multiple of the data rate of the least
15 distortion-tolerant modulation format corresponding to one of the first predetermined
mode and the second predetermined mode”.

Claim 11 has similarly been amended to state that the wireless receiver
comprises “a power control module for temporarily switching one of the first and
20 second baseband processing modules into a power saving mode when the other of
the first and second baseband processing modules detects that the primary digital
signal carries information meeting a corresponding predetermined mode.” and the
limitation of “wherein the basic data rate is an integer multiple of the data rate of the
least distortion-tolerant modulation format corresponding to one of the first
25 predetermined mode and the second predetermined mode”.

Teo and Tsuie do not teach temporarily stopping or switching a processing
module into a power saving mode according to an operating mode of the wireless

receiver.

Karaoguz et al. (US 2004/0029620) teaches in Fig.6 a power control module 150 for a handheld radio receiver host. Karaoguz explains in paragraph [0043] that the “power control module 150 is coupled to provide power down and power up signals to a plurality of radio transceiver circuit elements, including an RF front end module 154, a baseband processor module 158, a medium access control (MAC) module 162 and a local oscillator module 166”. However, Karaoguz does not teach switching one of the first or the second baseband processing modules into a power saving mode when the other of the first and second baseband processing modules detects that the primary digital signal carries information meeting a corresponding predetermined mode, as is claimed. Since Karaoguz does not teach the use of both first and second baseband processing modules, and detecting the operating mode indicating which of the first and second baseband processing modules is in use, Karaoguz does not teach the power control limitations recited in the currently amended claims 1 and 11 of the instant application.

Additionally, Teo does not teach that the basic data rate is an integer multiple of the data rate of the least distortion-tolerant modulation format corresponding to one of the first predetermined mode and the second predetermined mode. And it should be note that the purpose of having the basic data rate an integer multiple of the least distortion-tolerant modulation format is to avoid signal distortion within that format, and not only to avoid using an extra down converter in the receiver. So this feature is non-obvious combining with the above mentioned to one having ordinary skill in the art at the time the invention was made.

In view of the above, the applicant respectfully submits that claims 1 and 11 are patentable over the cited prior art references. In addition, claims 9 and 15 have been

cancelled, and are no longer in need of consideration. claims 4, 5, 7, 14, and 17 are dependent on claims 1 and 11, and should be allowed if their respective base claims are allowed. Reconsideration of claims 1, 4, 5, 7, 11, 14, and 17 is therefore respectfully requested.

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2. Rejection of claims 6, 8, 16, 18, and 19 under 35 U.S.C. 103(a):

Claims 6, 8, 16, 18, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Teo et al. (US 6,985,545) in view of Tsuie et al. (US 2004/0223449), and in further view of Womack et al. (US 5,982,819).

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Response:

Claims 6, 8, 16, 18, and 19 are dependent on claims 1 and 11, and should be allowed if their respective base claims are allowed. Reconsideration of claims 6, 8, 16, 18, and 19 is therefore respectfully requested.

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3. Rejection of claims 2, 3, 12, and 13 under 35 U.S.C. 103(a):

Claims 2, 3, 12, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Teo et al. (US 6,985,545) in view of Tsuie et al. (US 2004/0223449), and in further view of Karaoguz et al. (US 2004/0029620).

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Response:

Claims 2, 3, and 12 have been cancelled, and are no longer in need of consideration. Claim 13 is dependent on claim 11, and should be allowed if claim 11 is allowed. Reconsideration of claim 13 is therefore respectfully requested.

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4. Rejection of claim 10 under 35 U.S.C. 103(a):

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teo et al. (US 6,985,545) in view of Tsuie et al. (US 2004/0223449), and in further view of

Spiegel et al. (US 7,161,997).

Response:

Claim 10 is dependent on claim 1, and should be allowed if claim 1 is allowed.

5 Reconsideration of claim 10 is therefore respectfully requested.

5. Rejection of claim 20 under 35 U.S.C. 103(a):

Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Teo et al. (US 6,985,545) in view of Tsuie et al. (US 2004/0223449), and in further view of
10 Li et al. (US 7,200,196).

Response:

Claim 20 is dependent on claim 11, and should be allowed if claim 11 is allowed. Reconsideration of claim 20 is therefore respectfully requested.

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In view of the claim amendments and the above arguments in favor of patentability, the applicant respectfully requests that a timely Notice of Allowance be issued in this case.

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Sincerely yours,

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Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

5 Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C.
10 is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)